

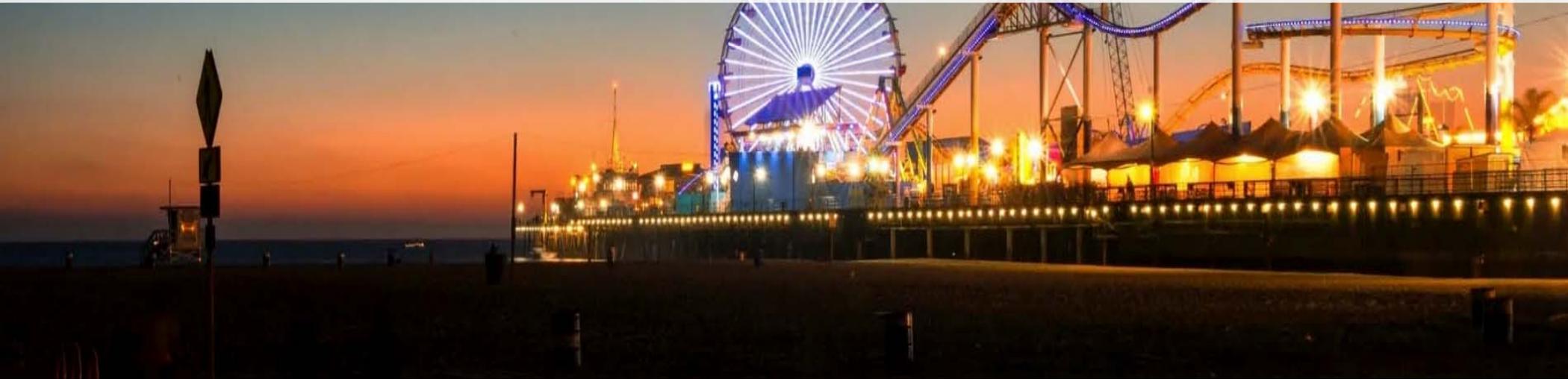


ICC Los Angeles Basin Chapter
Est. 1957

2022 Edition of the Los Angeles Regional Uniform Code Program (LARUCP)

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Building and Safety Bureau

July 26, 2022





OVERVIEW

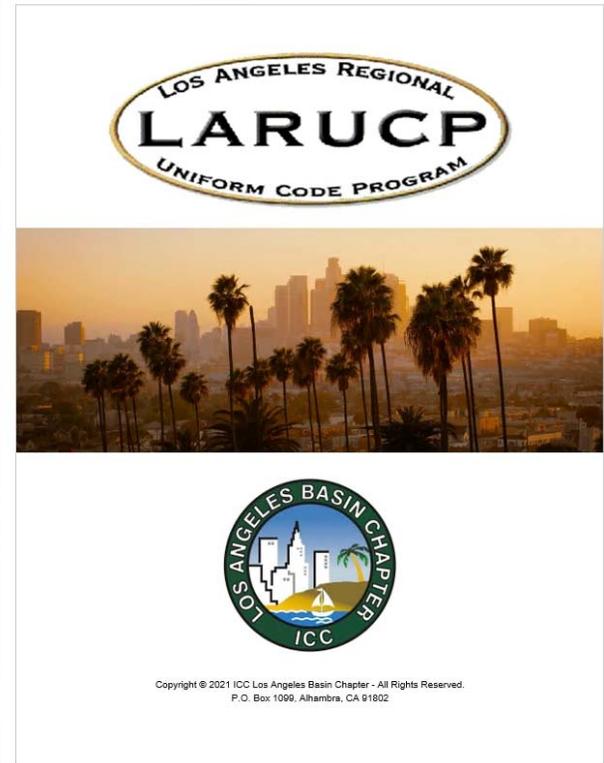
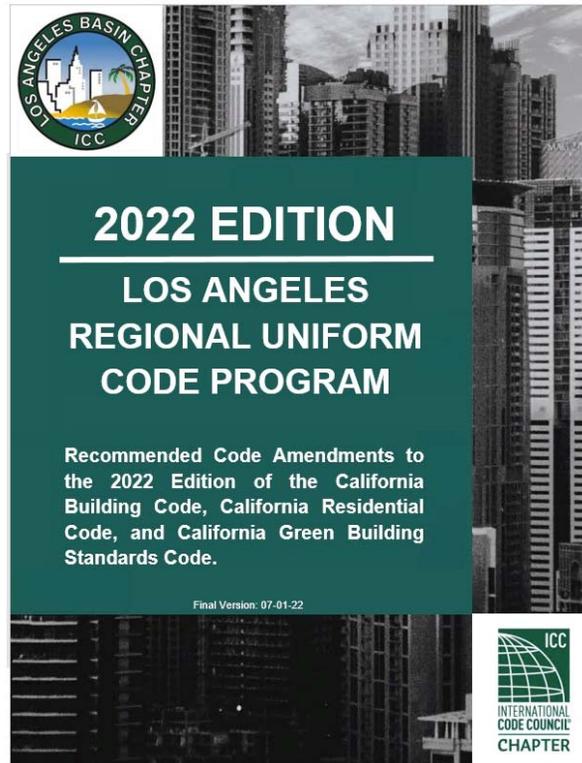
- Background
- Organization
- Highlight Amendments
- Resource
- Questions/Answers





BACKGROUND

- What
- Why
- Who
- When
- How





BACKGROUND

- What
 - Create uniformity of building codes and regulations
 - Minimize the number of local code amendments
 - Develop uniform interpretations and handouts

- Why
 - Serve the interest of code officials and the construction industry
 - Construction cost savings





BACKGROUND

- Who
 - City of Los Angeles, Building and Safety Department
 - County of Los Angeles, Building and Safety Division
 - City of Glendale, Building and Safety Division
- When
 - July 1999



BACKGROUND

■ How

- Formed committees focusing on specific topics
- Participated by jurisdictional members, SEAOSC's technical members, design professionals in the construction industry, other interested groups or individuals





ORGANIZATION

- Part I – Amendments to the CBC
- Part II – Amendments to the CRC
- Part III – Amendments to the CGBSC



ORGANIZATION

SUMMARY OF RECOMMENDED LARUCP AMENDMENTS TO THE 2022 CBC

2022 LARUCP NO.	TITLE/DESCRIPTION	STATUS ¹
16-01	Add CBC Sections 1613.5 and 1613.5.1 Amendments to ASCE 7	E
16-02	Add CBC Section 1613.5.2 Wood Diaphragms	E
16-03	Add CBC Section 1613.5.3 Structural Separation	E
16-04	Add CBC Section 1613.6 Seismic Design Provisions for Hillside Buildings	E
16-05	Add CBC Section 1613.7 Suspended Ceilings	E
17-01	Amend CBC Section 1704.6 Structural Observations	E
17-02	Amend CBC Section 1704.6.1 Structural Observations for Structures	E
17-03	Amend CBC Section 1705.3 Concrete Construction	E
17-04	Amend CBC Section 1705.13 Special Inspections for Seismic Resistance	E
18-01	Amend CBC Section 1807.1.4 Permanent Wood Foundation Systems	E
18-02	Amend CBC Section 1807.1.6 Prescriptive Design of Concrete and Masonry Foundation Walls	E
18-03	Amend CBC Section 1807.2 Retaining Walls	E
18-04	Amend CBC Section 1807.3.1 Limitations	E
18-05	Amend CBC Section 1809.3 Stepped Footings	E
18-06	Amend CBC Section 1809.7 and Table 1809.7 Prescriptive Footings for Light-Frame Construction	E





ORGANIZATION

- Format of Amendment
 - Express term language
 - Rationale
 - Findings

2022 LARUCP 16-01

Sections 1613.5 and 1613.5.1 are added to Chapter 16 of the 2022 Edition of the California Building Code to read as follows:

1613.5 Amendments to ASCE 7. The provisions of Section 1613.5 shall be permitted as an amendment to the relevant provisions of ASCE 7.

1613.5.1 Values for vertical combinations. Modify ASCE 7 Section 12.2.3.1 Exception 3 as follows:

3. Detached one- and two-family dwellings up to two stories in height of light frame construction.

RATIONALE:

Observed damages to one- and two-family dwellings of light frame construction after the Northridge Earthquake may have been partially attributed to vertical irregularities common to this type of occupancy and construction. In an effort to improve quality of construction and incorporate lesson learned from studies after the Northridge Earthquake, the proposed modification to ASCE 7-16 Section 12.2.3.1 Exception 3 by limiting the number of stories and height of the structure to two stories will significantly minimize the impact of vertical irregularities and concentration of inelastic behavior from mixed structural systems. This proposed amendment is a continuation of an amendment adopted during previous code adoption cycles.

FINDINGS:

Local Geological Conditions – The greater Los Angeles region is a densely populated area having buildings and structures constructed over and near a vast array of fault systems capable of producing major earthquakes, including but not limited to the 1994 Northridge Earthquake. The proposed modification to limit mixed structural system to two stories is intended to improve quality of construction by reducing potential damages that may result from vertical irregularities of the structural system in buildings subject to high seismic load and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.





HIGHLIGHT AMENDMENTS

- 1999
 - 36 amendments to the CBC
- 2010
 - 38 amendment to the CBC, 28 amendments to the CRC, 7 amendments to the CGBSC
- 2022
 - 31 amendment to the CBC, 23 amendments to the CRC, 3 amendments to the CGBSC



HIGHLIGHT AMENDMENTS

- 2022
 - LARUCP 31-01 Intermodal Shipping Containers
 - LARUCP R3-01 Woodframed Structures
 - LARUCP G4-01, G4-02, and G5-01 EVs for Projects



RESOURCES

- Current and Past LARUCP Documents

<https://icclabc.org/administration>





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Thank you

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